



TESTMARK Laboratories Ltd.

Committed to Quality and Service

CERTIFICATE OF ANALYSIS

Client:	Mark Bocy	Work Order Number:	376302
Company:	RDSB - Northeastern S.S. Elementary School	PO #:	
Address:	Prog. 69 Young St Sudbury, ON, P3E 3G5	Regulation:	O.Reg. 243/07
Phone/Fax:	(705) 690-0323 / (705) 671-2442	Project #:	
Email:	bocym@rainbowschools.ca	DWS #:	500045826
		Sampled By:	Mark Bocy
Date Order Received:	6/27/2019	Analysis Started:	7/5/2019
Arrival Temperature:	13 °C	Analysis Completed:	7/8/2019

WORK ORDER SUMMARY

ANALYSES WERE PERFORMED ON THE FOLLOWING SAMPLES. THE RESULTS RELATE ONLY TO THE ITEMS TESTED.

Sample Description	Lab ID	Matrix	Type	Comments	Date Collected	Time Collected
T107 DC (STANDING)	1452961	Water	Plumbing		6/27/2019	6:00 AM
T107 DC (FLUSHED)	1452962	Water	Plumbing		6/27/2019	6:35 AM
F318 S	1452963	Water	Plumbing		6/27/2019	7:00 AM
F318 F	1452964	Water	Plumbing		6/27/2019	7:35 AM
F303 S	1452965	Water	Plumbing		6/27/2019	7:10 AM
F303 F	1452966	Water	Plumbing		6/27/2019	7:45 AM
T303 S	1452967	Water	Plumbing		6/27/2019	7:20 AM
T303 F	1452968	Water	Plumbing		6/27/2019	7:55 AM
T209A S	1452969	Water	Plumbing		6/27/2019	7:30 AM
T209A F	1452970	Water	Plumbing		6/27/2019	8:05 AM
T36 S	1452971	Water	Plumbing		6/27/2019	7:40 AM
T36 F	1452972	Water	Plumbing		6/27/2019	8:15 AM

METHODS AND INSTRUMENTATION

THE FOLLOWING METHODS WERE USED FOR YOUR SAMPLE(S):



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Method	Lab	Description	Reference
ICPMS Reg. Water (A13)	Garson	Determination of Metals in Water by ICP/MS	Modified from SW846-6020A

REPORT COMMENTS

ESTIMATED STANDING TIME: 8 HOURS

This report has been approved by:

Mark Charbonneau, Ph.D.
Laboratory Director



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WORK ORDER RESULTS

Sample Description	T107 DC (STANDING)		T107 DC (FLUSHED)		F318 S		F318 F			
Lab ID	1452961		1452962		1452963		1452964			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.1	0.1	<0.1	0.1	0.1	0.1	<0.1	0.1	ug/L	10
Sample Description	F303 S		F303 F		T303 S		T303 F			
Lab ID	1452965		1452966		1452967		1452968			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.3	0.1	0.2	0.1	<0.1	0.1	<0.1	0.1	ug/L	10
Sample Description	T209A S		T209A F		T36 S		T36 F			
Lab ID	1452969		1452970		1452971		1452972			
Metals	Result	MDL	Result	MDL	Result	MDL	Result	MDL	Units	Criteria: O.Reg. 243/07
Lead	0.6	0.1	<0.1	0.1	1.3	0.1	0.6	0.1	ug/L	10



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LEGEND

Dates: Dates are formatted as mm/dd/year throughout this report.

MDL: Method detection limit or minimum reporting limit.

Quality Control: All associated Quality Control data is available on request.

LCL: Lower Control Limit.

UCL: Upper Control Limit.

QAQCID: This is a unique reference to the quality control data set used to generate the reported value. Contact our lab for this information, as it is traceable through our LIMS.

Exceedences: HIGHLIGHTED CELLS INDICATE THAT THE RESULT EXCEEDS A REGULATORY LIMIT. CALCULATED UNCERTAINTY ESTIMATIONS ARE NOT APPLIED FOR DETERMINING SAMPLE EXCEEDANCES.

Benzo(b)fluoranthene: Results for benzo(b)fluoranthene may include contributions from benzo(j)fluoranthene.

Field Data: Reports containing Field Parameters represent data that has been collected and provided by the client. Testmark is not responsible for the validity of this data which may be used in subsequent calculations.

Sample Condition Deviations: A noted sample condition deviation may affect the validity of the result.



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QUALITY CONTROL DATA

THIS SECTION REPORTS QC RESULTS ASSOCIATED WITH THE TEST BATCH; THESE ARE NOT YOUR SAMPLE RESULTS.
QAQC details include only values where sufficient sample data allowed measurement.

Metals

Method Blank: LRB-6 (Blank- µg/L) (6)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	0	<1	1	20190708.A13.1H

Positive Control: LFB-7 (N 100 µg/L) (7)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	%	80	91.4	120	20190708.A13.1H

Reference Sample: CRM-12 (EP-L-3) (12)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	1	ug/L	3.65	3.79	4.35	20190708.A13.1H

Sample Spike: LFMS-9 (N 100 µg/L) (9)

Parameter	MDL	Units	LCL	Result	UCL	QAQCID
Lead	N/A	% Rec	70	90.7	130	20190708.A13.1H



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THIS INDEX SHOWS HOW YOUR SAMPLES ARE ASSOCIATED TO THE CONTROLS INCLUDED IN THE IDENTIFIED BATCHES.

Sample Description	Lab ID	Method	QAQCID	Prep QAQCID
F303 F	1452966	ICPMS Reg. Water (A13)	20190708.A13.1H	20190705.A52M
F303 S	1452965	ICPMS Reg. Water (A13)	20190708.A13.1H	20190705.A52M
F318 F	1452964	ICPMS Reg. Water (A13)	20190708.A13.1H	20190705.A52M
F318 S	1452963	ICPMS Reg. Water (A13)	20190708.A13.1H	20190705.A52M
T107 DC (FLUSHED)	1452962	ICPMS Reg. Water (A13)	20190708.A13.1H	20190705.A52M
T107 DC (STANDING)	1452961	ICPMS Reg. Water (A13)	20190708.A13.1H	20190705.A52M
T209A F	1452970	ICPMS Reg. Water (A13)	20190708.A13.1H	20190705.A52M
T209A S	1452969	ICPMS Reg. Water (A13)	20190708.A13.1H	20190705.A52M
T303 F	1452968	ICPMS Reg. Water (A13)	20190708.A13.1H	20190705.A52M
T303 S	1452967	ICPMS Reg. Water (A13)	20190708.A13.1H	20190705.A52M
T36 F	1452972	ICPMS Reg. Water (A13)	20190708.A13.1H	20190705.A52M
T36 S	1452971	ICPMS Reg. Water (A13)	20190708.A13.1H	20190705.A52M